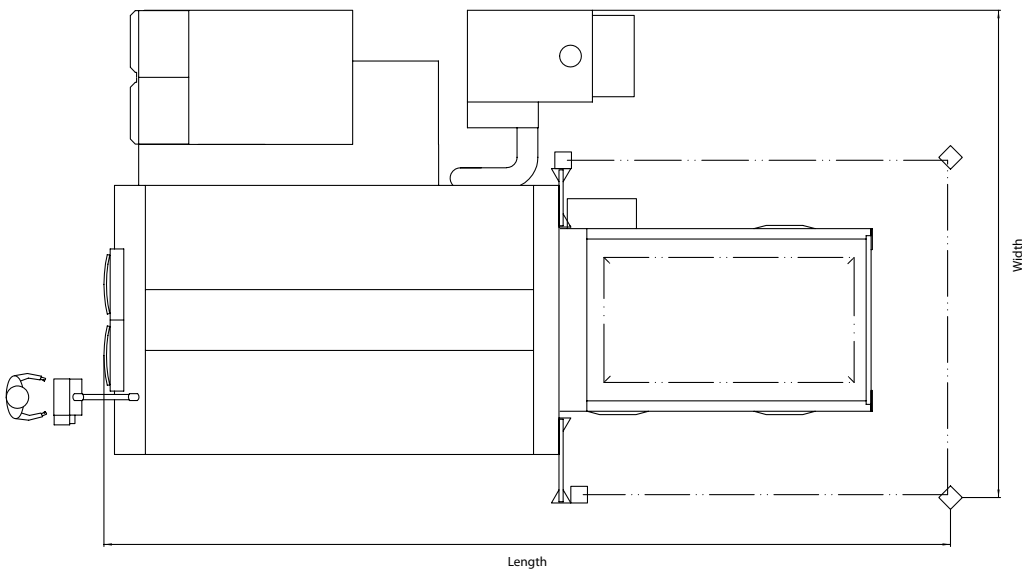
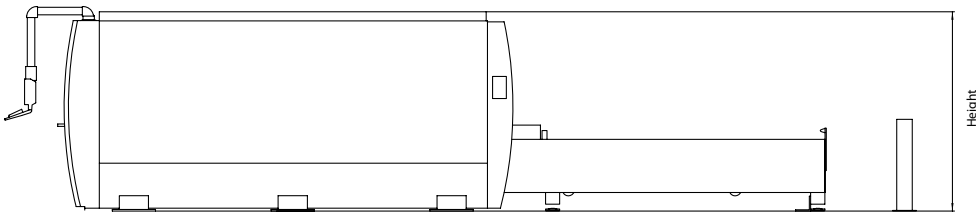


# Technical Data

## BySprint Fiber



with Fiber 2000

<b>Length</b>	398 in
<b>Width</b>	229 in
<b>Height</b>	114 in

Nominal sheet size	x = 120 in y = 60 in
Cutting area	x = 3048 mm/ 120 in y = 1524 mm/ 60 in z = 70 mm/2.75 in
Maximum positioning speed parallel axis x, y	3937 in/min
Maximum positioning speed simultaneous	5500 in/min
Maximum axis acceleration	472 in/s <sup>2</sup>
Positioning accuracy Pa*	± 0.004 mm
Repeatability Ps*	± 0.002 mm
Edge detection accuracy	± 0.020 mm
Maximum workpiece weight	1650 lbs
Machine weight**	26,450 lbs
Base	normal, reinforced industrial floor according to assembly plan
Operation via panel	with 15" touch screen, keyboard and manual control unit
Drives	DVD-RW, USB 2.0
Network connection	RJ45 connection 10/100 MBit/s

Laser source	Fiber 2000
Power	2000 W
Wavelength	1070 nm
Pulse frequency	1–2500 Hz
Maximum sheet thicknesses quality cut***	
Mild steel	0.500 in
Stainless steel	0.250 in
Aluminum	0.300 in
Brass	0.160 in
Copper	0.120 in
Maximum electric consumption of the total system****	16 kW

\* According to VDI/DGQ 3441 measuring length 39 in. The precision of the sheet metal part depends on the material in question and its pre-treatment as well as the sheet size and its warming.

\*\* Complete laser cutting system with shuttle table without exhaust, chiller and automation

\*\*\* In order to cut the maximum thicknesses, the following conditions must be met:

- Optimally maintained and adjusted laser cutting system
- The materials must be of the quality demanded by Bystronic (laser materials)

\*\*\*\* Entire system with exhaust and chiller

The right to make changes to dimensions, construction, and equipment is reserved. ISO-9001-certified

# Bystronic Best choice.

Laser | Bending | Waterjet  
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